

**Town of Discovery Bay, CA
Waste & Wastewater**

MONTHLY OPERATIONS REPORT

May 2017

2832 Days of Safe Operations
133,449 worked hours since last recordable incident

TRAINING:

- **Safety**
 - **West Monthly Regional Safety Webinar**
 - **Weekly Safety Topics**
 - **Heat Stress Prevention**

REPORTS SUBMITTED TO REGULATORY AGENCIES:

- **Monthly Discharge Monitoring Report (DMR)**
- **Monthly electronic State Monitoring Report (eSMR)**
- **Monthly Coliform Report, State Water Board (DDW)**

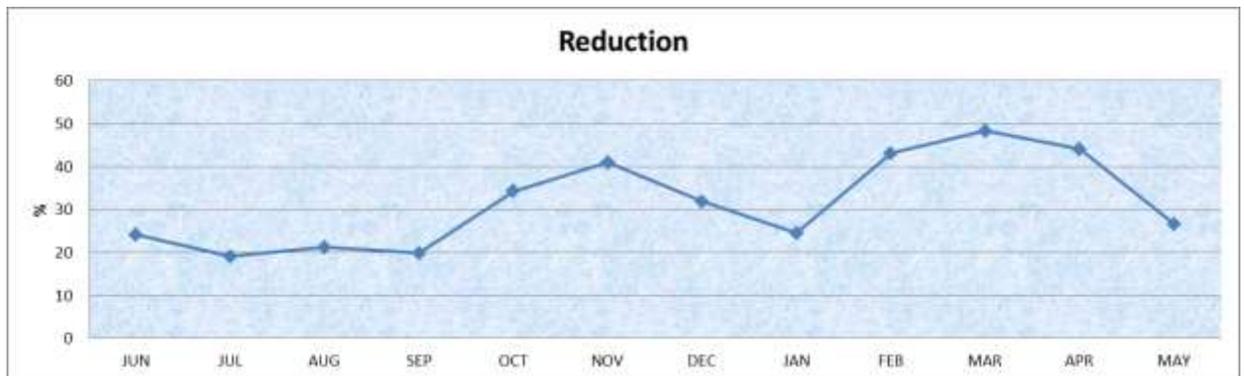
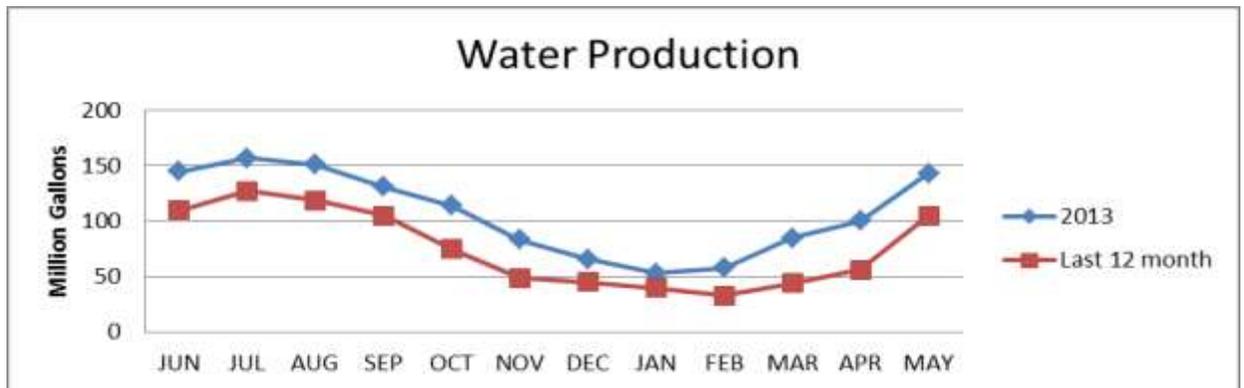
WATER SERVICES

Groundwater Well:

- 1B - Active
- 2 – Active
- 4 – Active
- 5B - Active (Standby only)
- 6 – Active
- 7 - Active

2017 Monthly Water Production Table (MG):

January	February	March	April	May	June
40	33	44	56	105	
July	August	September	October	November	December



Chemical Usage:



Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls	Fire Hydrant Flushing
• 20	• 0	• 0	• 0	• 6

WASTEWATER SERVICE

Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>April Lab Data</i>	<i>May Lab Data</i>
Flow, MG Effluent, monthly total		37	37
Flow, MG Daily Influent Flow, avg.	N/A	1.3	1.4
Flow, MG Daily Discharge Flow, avg.	2.35	1.2	1.2
Effluent BOD ₅ , lbs/d, monthly avg.	350	13	18
Effluent TSS, lbs/d, monthly avg.	525	13	27
Effluent BOD ₅ , mg/L, monthly avg.	20	1.4	1.8
Effluent TSS, mg/L, monthly avg.	30	1.3	2.7
Total Coli form 7 day Median Max	23	0	4
Total Coli form Daily Maximum	240	5	5
% Removal BOD ₅ , monthly avg.	85% min.	99	99
% Removal, TSS, monthly avg.	85% min.	99	98
Electrical Conductivity, umhos/cm annual avg.	2100	2065	2070

Blue – new parameter added

National Pollution Discharge Elimination System (NPDES):

NPDES Related Excursions	Permit Parameter	NPDES Parameter Limit	Actual Parameter Result
• 0	• NA	• NA	• NA

Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	7-Day Median Excursion
• 14	• 0	• 0	• 0

COLLECTION

Lift Station Status:

# of Active Lift Stations	# of Inactive Lift Stations	SSO	Wastewater Received (MG)
• 15	• 0	• 0	• 37

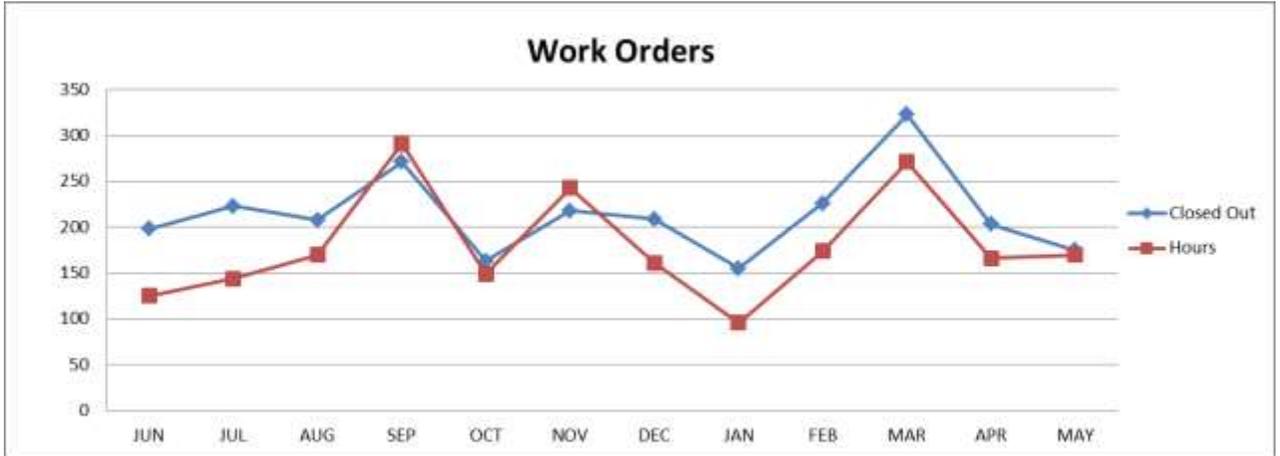
Performed weekly lift station inspections

Sewer System:

- 0 ft. of collection sanitary sewer line has been assessed.
- 0 ft. flushed/CCTV
- 0 manhole & covers has been inspected.

MAINTENANCE

Preventive and Corrective:



Work Order Back-Log:



Call & Emergency Responses

Call Outs	Emergencies
12	0

Personnel Hours & Overtime:

Regular Hours	Overtime
1656	52

TERMS

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREATMENT PLANT
WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
SSO	SANITARY SEWER OVERFLOW
BOD	BIOLOGICAL OXYGEN DEMAND
TSS	TOTAL SUSPENDED SOLIDS
MGD	MILLION GALLONS PER DAY
mg/l	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PARTS PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WATSE ACTIVATED SLUDGE
UV	ULTRAVIOLET LIGHT